

FIG. 1A

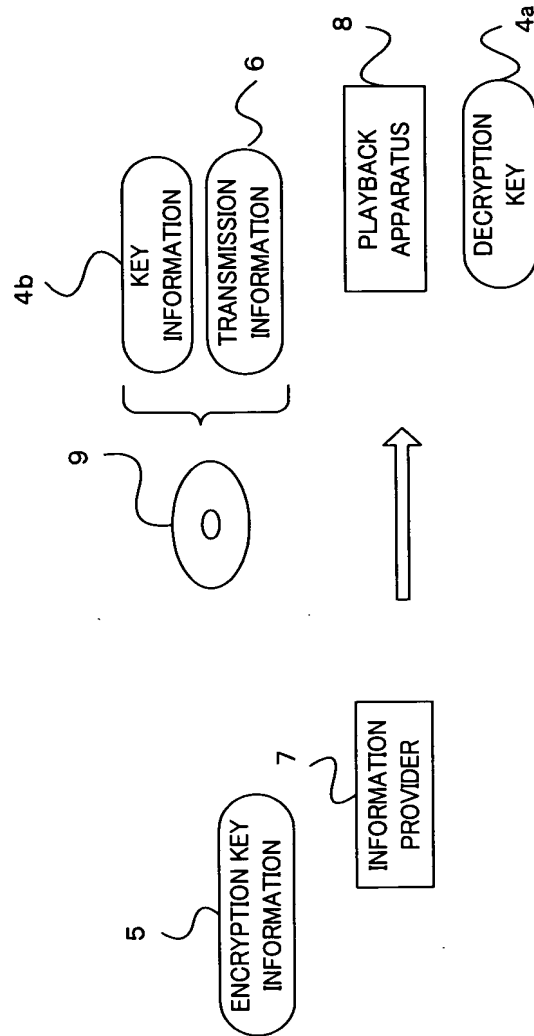


FIG. 1B

FIG. 2

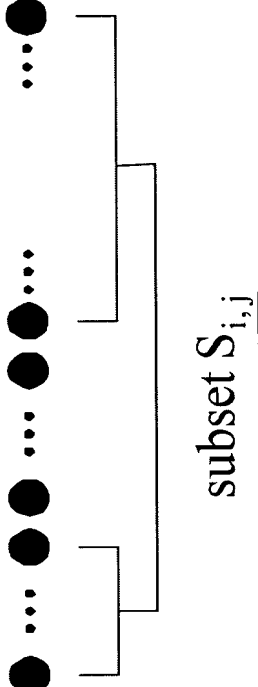
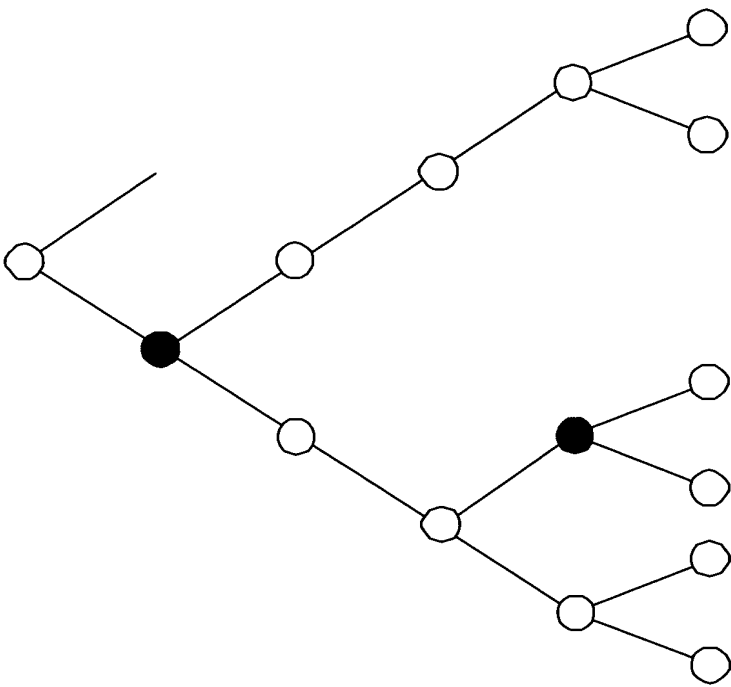




FIG. 4

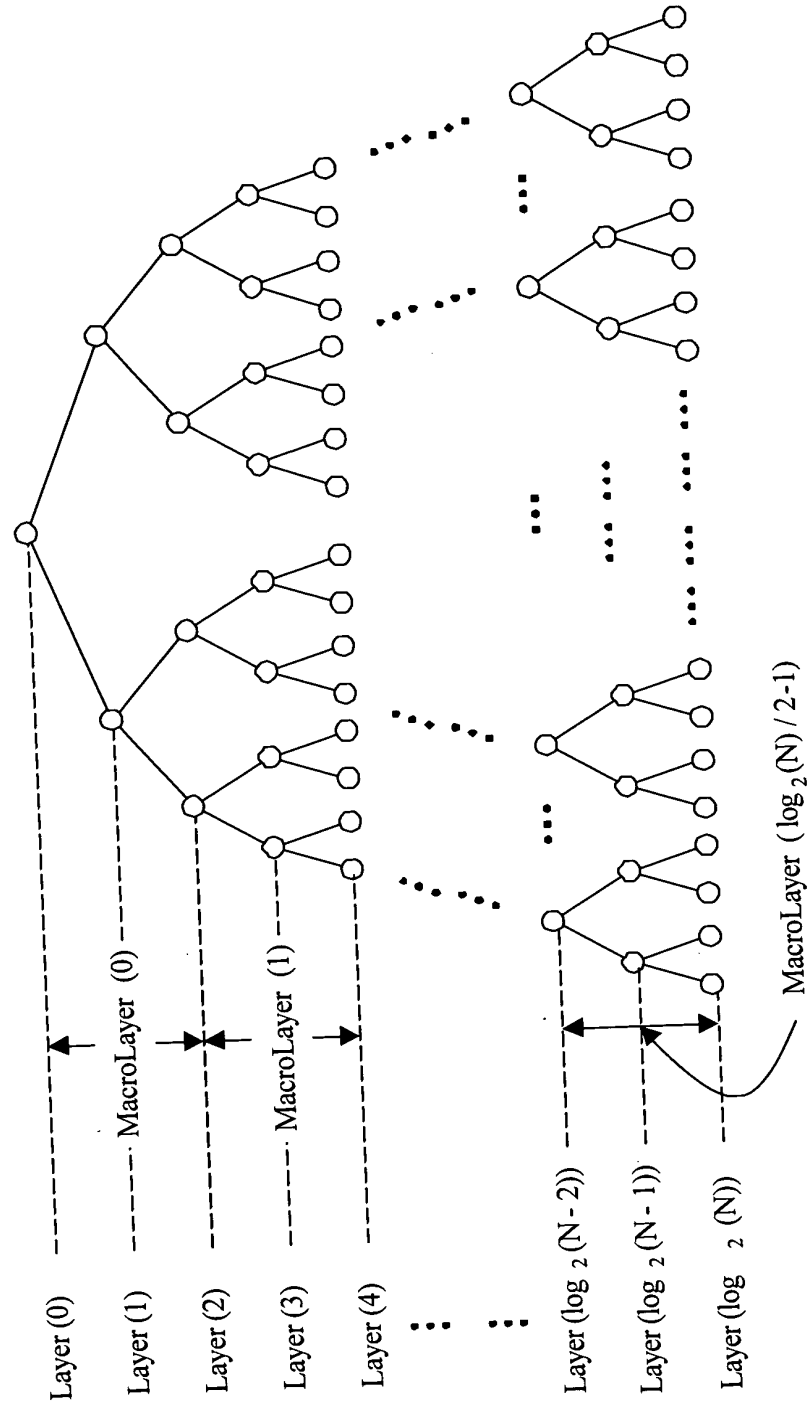


FIG. 5

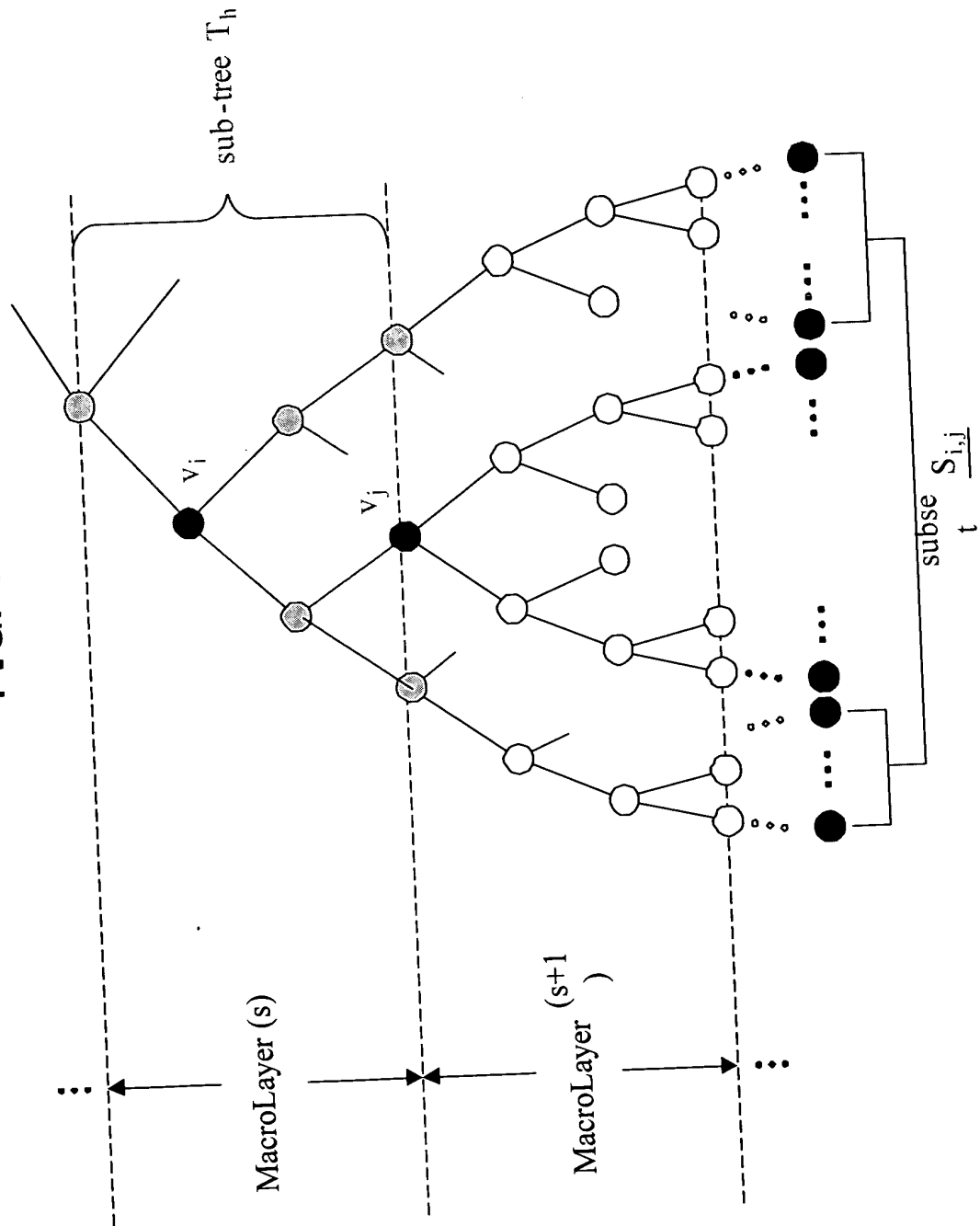
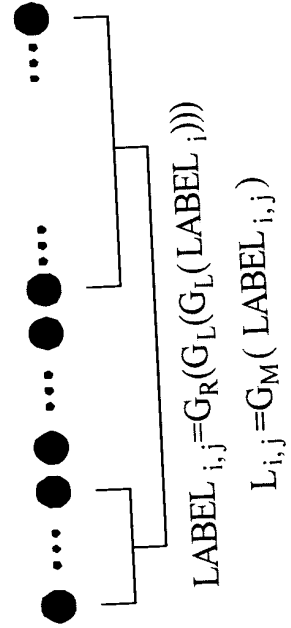
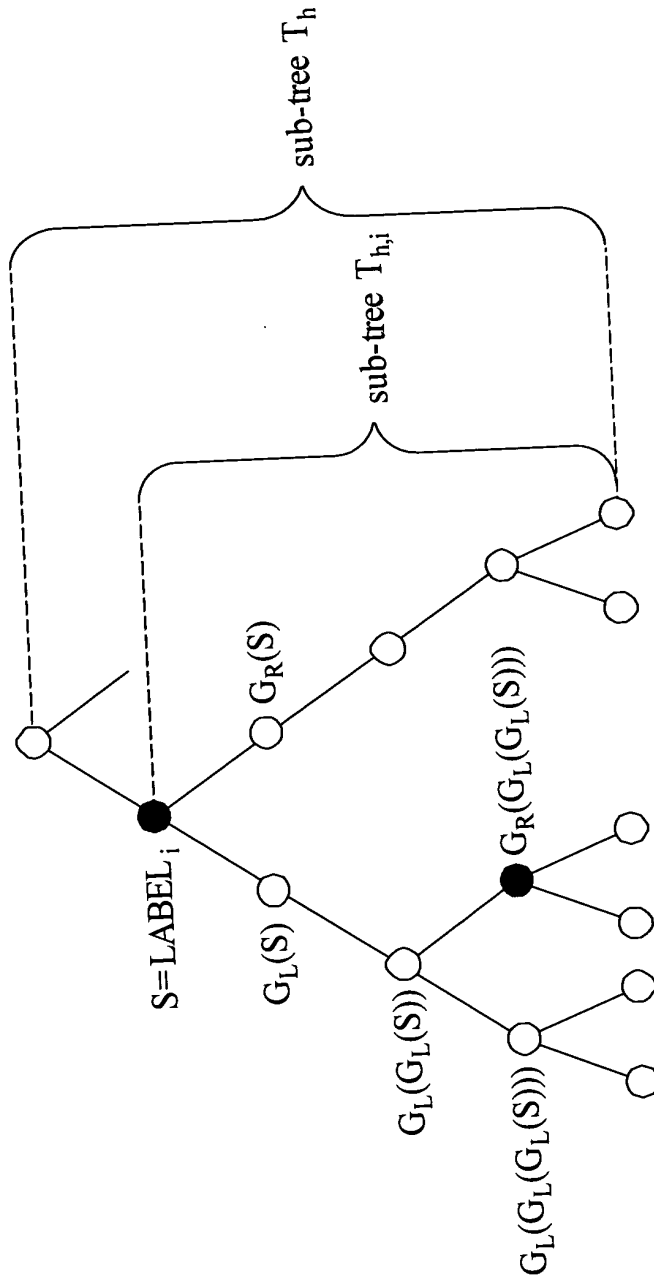


FIG. 6



**FIG. 7**

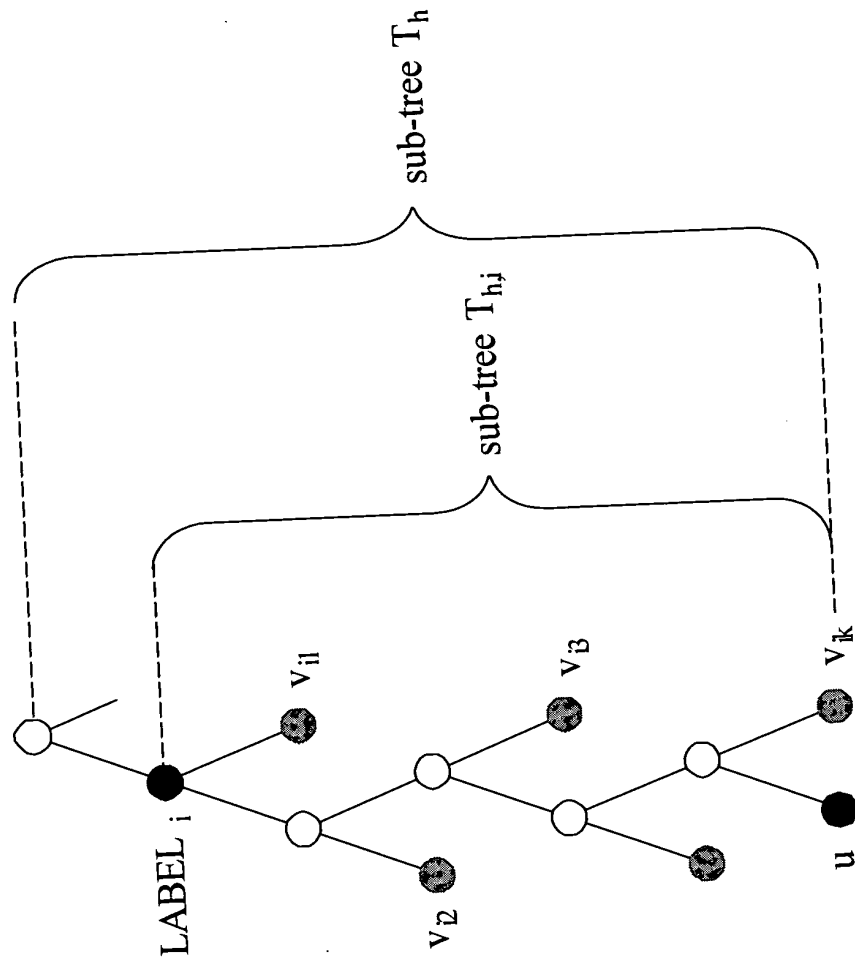
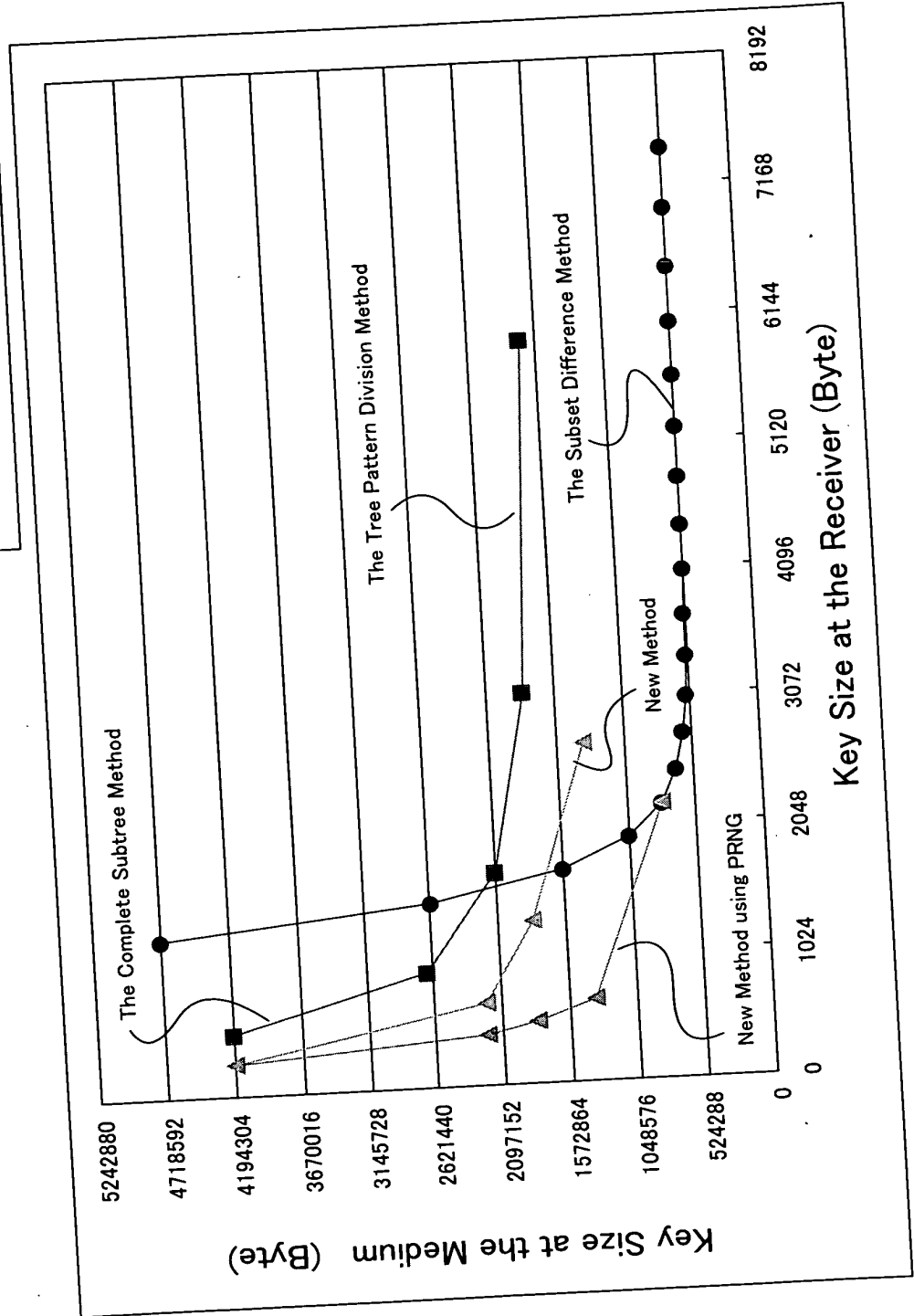


FIG. 8

(CONDITION)  
 The total number of receivers  $N = 2^{30} = 1,073,741,824$   
 The number of revoked receivers  $r = 14 = 16,384$   
 Key Size 128bit

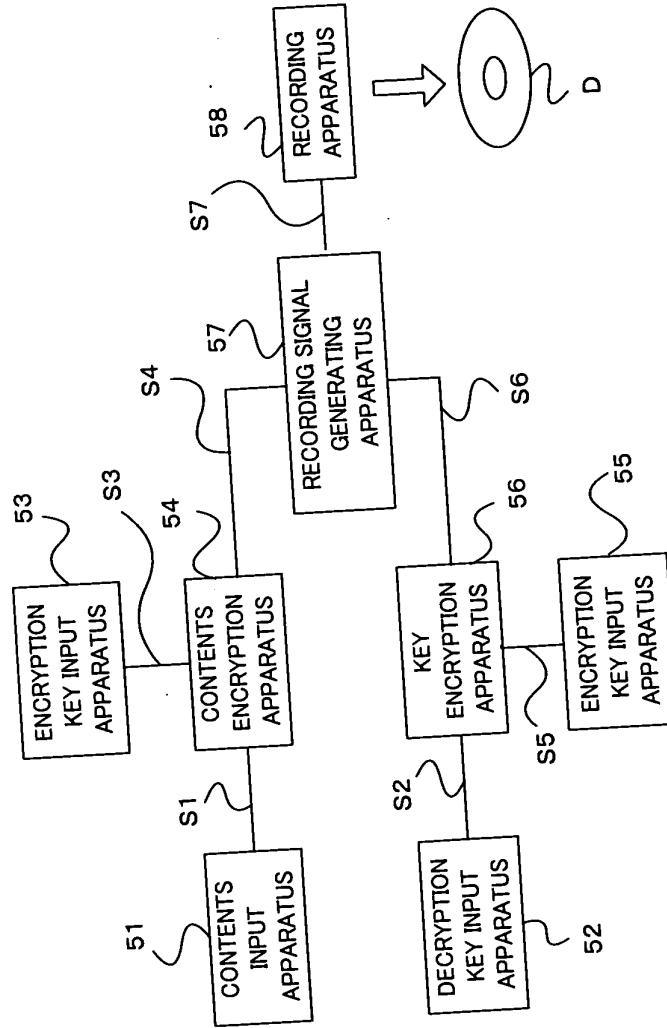




9/18

FIG. 9

50



10/18

FIG. 10A

SIGNAL S1



FIG. 10B

SIGNAL S2

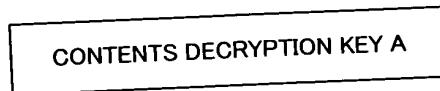


FIG. 10C

SIGNAL S3

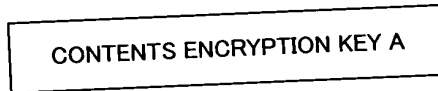


FIG. 10D

SIGNAL S4

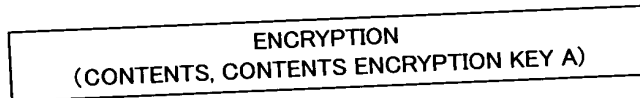
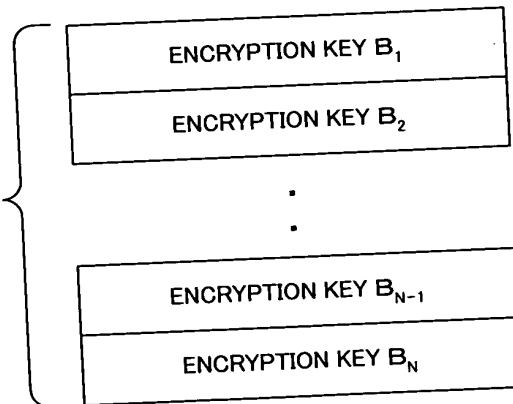


FIG. 10E

SIGNAL S5



11/18

FIG. 11A

SIGNAL S6

HEADER (HEADER ENCRYPTION KEY $B_1$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_1$ )
HEADER (HEADER ENCRYPTION KEY $B_2$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_2$ )
⋮	
HEADER (HEADER ENCRYPTION KEY $B_{N-1}$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_{N-1}$ )
HEADER (HEADER ENCRYPTION KEY $B_N$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_N$ )

FIG. 11B

SIGNAL S7

HEADER (HEADER ENCRYPTION KEY $B_1$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_1$ )
HEADER (HEADER ENCRYPTION KEY $B_2$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_2$ )
⋮	
HEADER (HEADER ENCRYPTION KEY $B_{N-1}$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_{N-1}$ )
HEADER (HEADER ENCRYPTION KEY $B_N$ )	ENCRYPTION (ENCRYPTION CONTENTS DECRYPTION KEY A, ENCRYPTION KEY $B_N$ )
ENCRYPTION (ENCRYPTION CONTENTS, CONTENTS ENCRYPTION KEY A)	
ERROR CORRECTING CODE	

FIG. 12

60

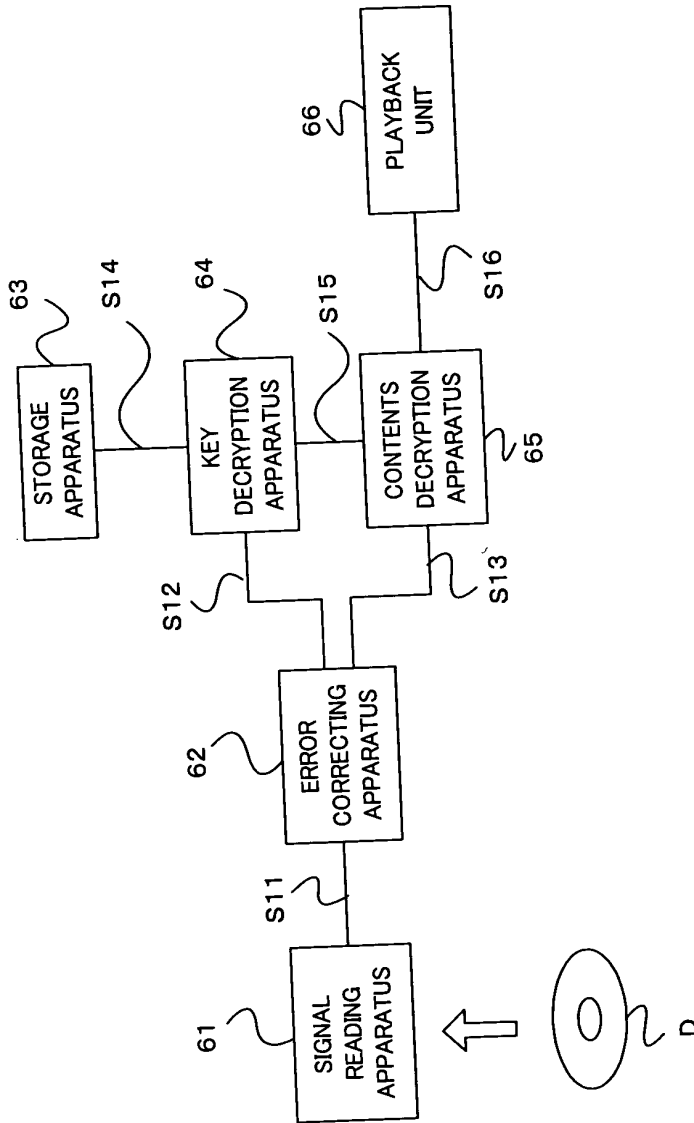


FIG. 13A

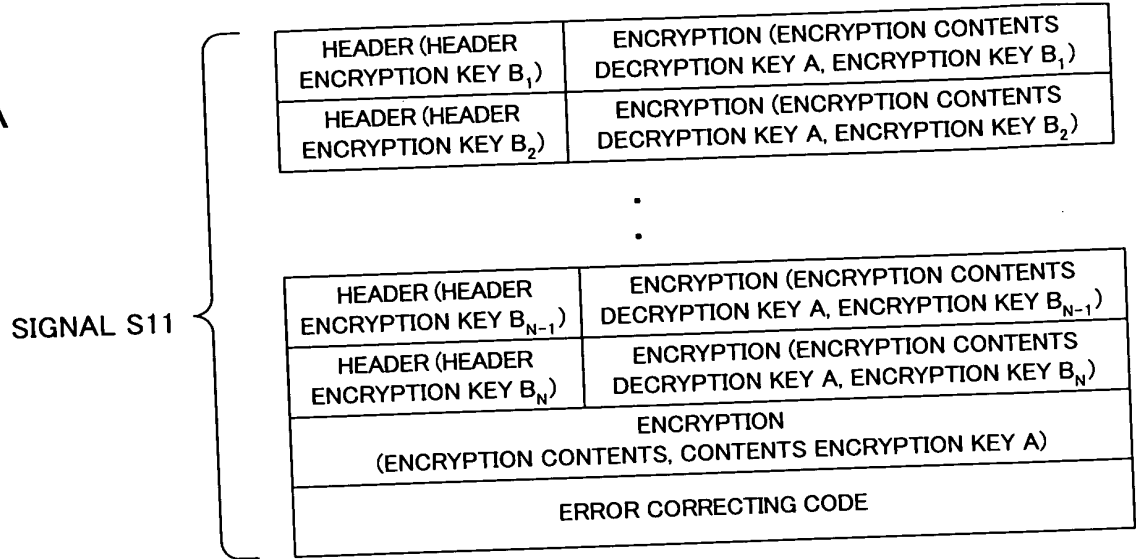


FIG. 13B

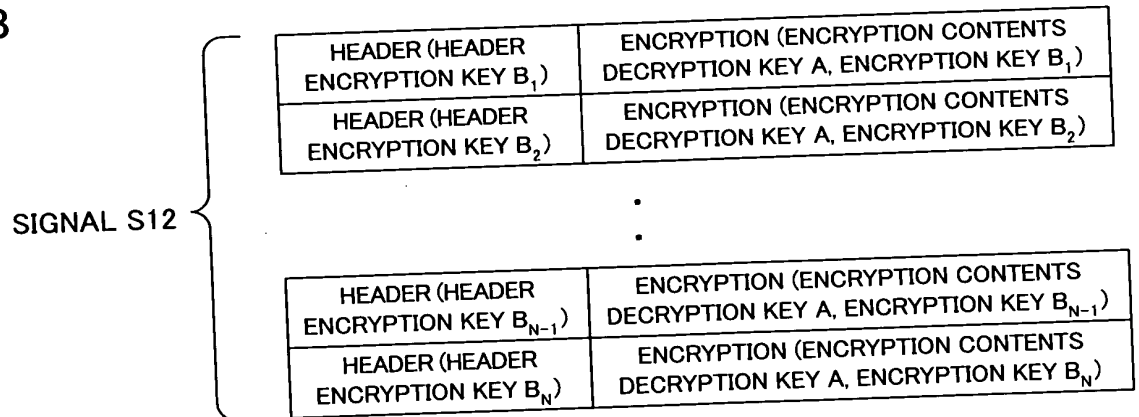


FIG. 14A

SIGNAL S13

ENCRIPTION (ENCRIPTION CONTENTS,  
CONTENTS ENCRIPTION KEY A)

FIG. 14B

SIGNAL S14

HEADER (HEADER DECRIPTION KEY B <sub>1</sub> )	DECRIPTION KEY B <sub>1</sub>
HEADER (HEADER DECRIPTION KEY B <sub>1</sub> )	DECRIPTION KEY B <sub>2</sub>
.	
.	
HEADER (HEADER DECRIPTION KEY B <sub>M-1</sub> )	DECRIPTION KEY B <sub>M-1</sub>
HEADER (HEADER DECRIPTION KEY B <sub>M</sub> )	DECRIPTION KEY B <sub>M</sub>

FIG. 14C

SIGNAL S15

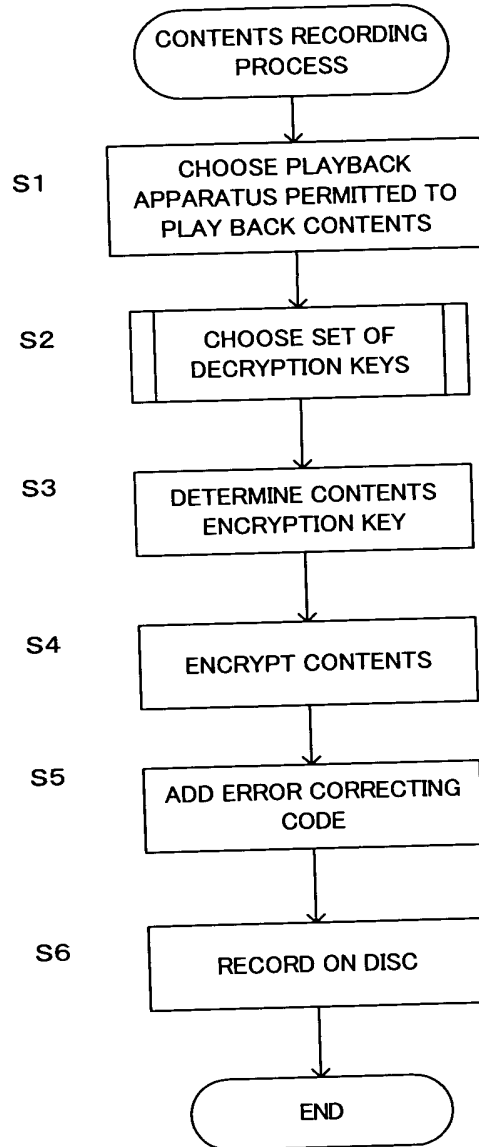
CONTENTS DECRIPTION KEY A

FIG. 14D

SIGNAL S16

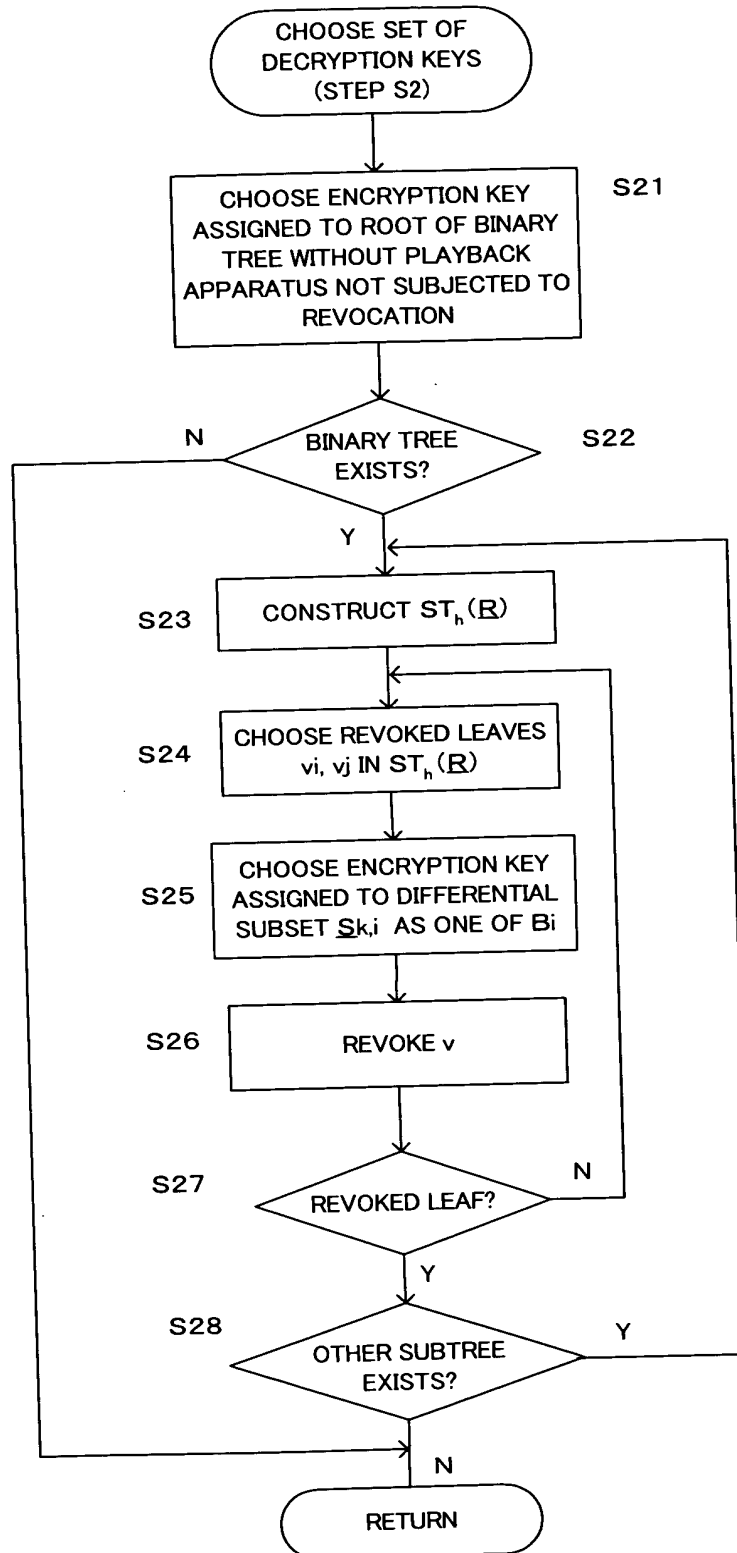
CONTENTS

FIG. 15



16/18

FIG. 16





17/18

FIG. 17

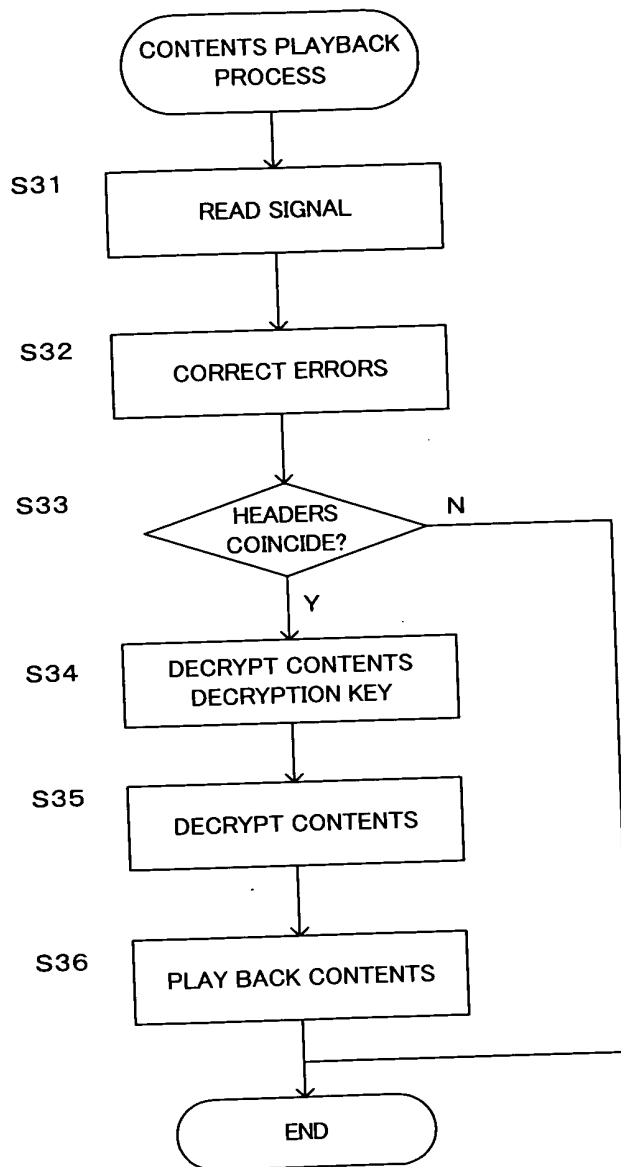


FIG. 18

